

FIG.1

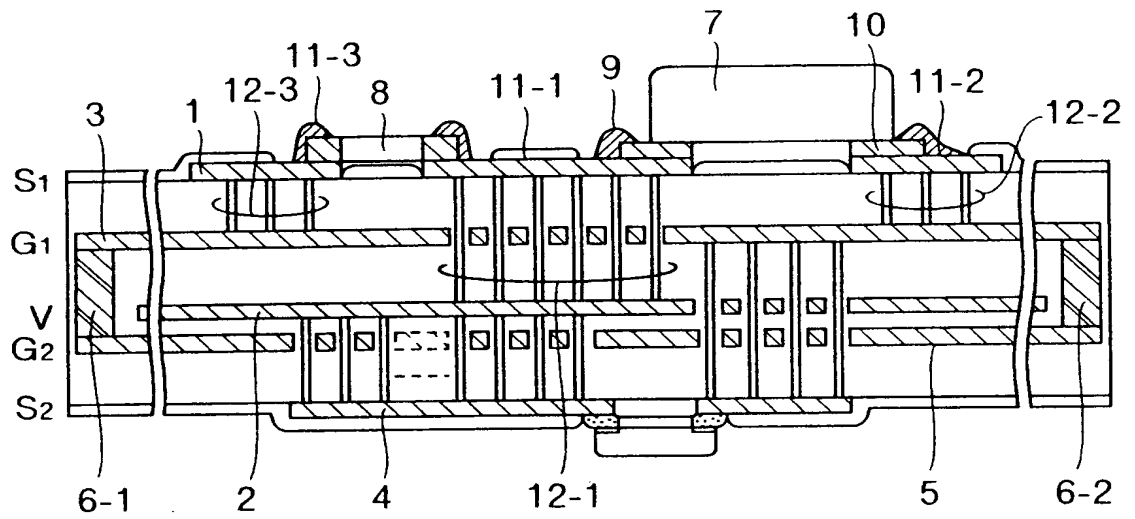


FIG.2

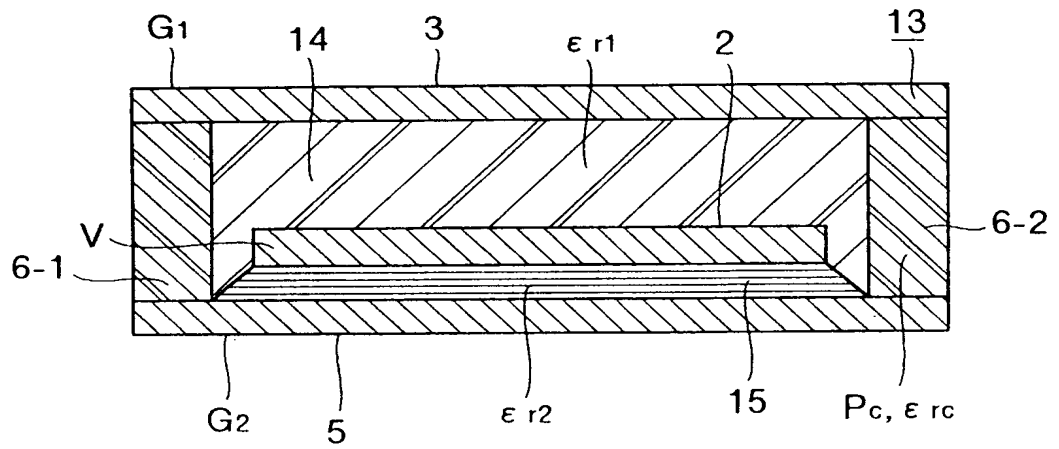


FIG.3

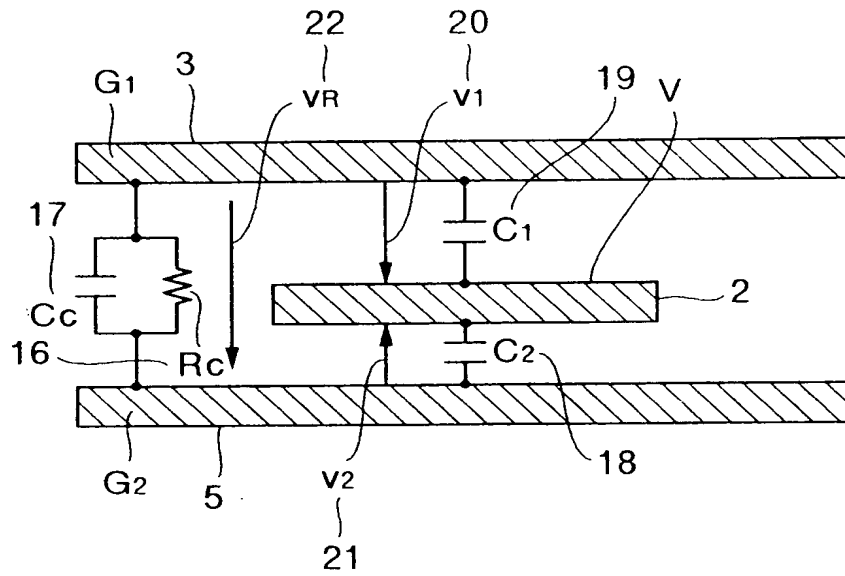


FIG.4

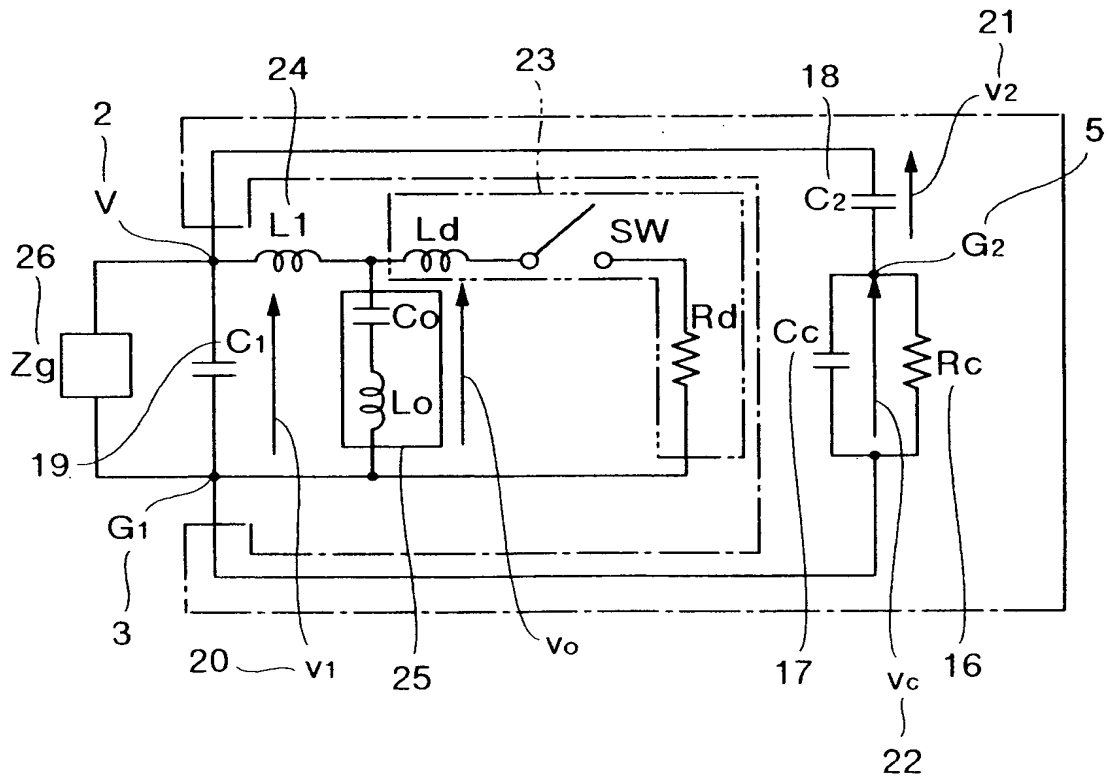


FIG.5

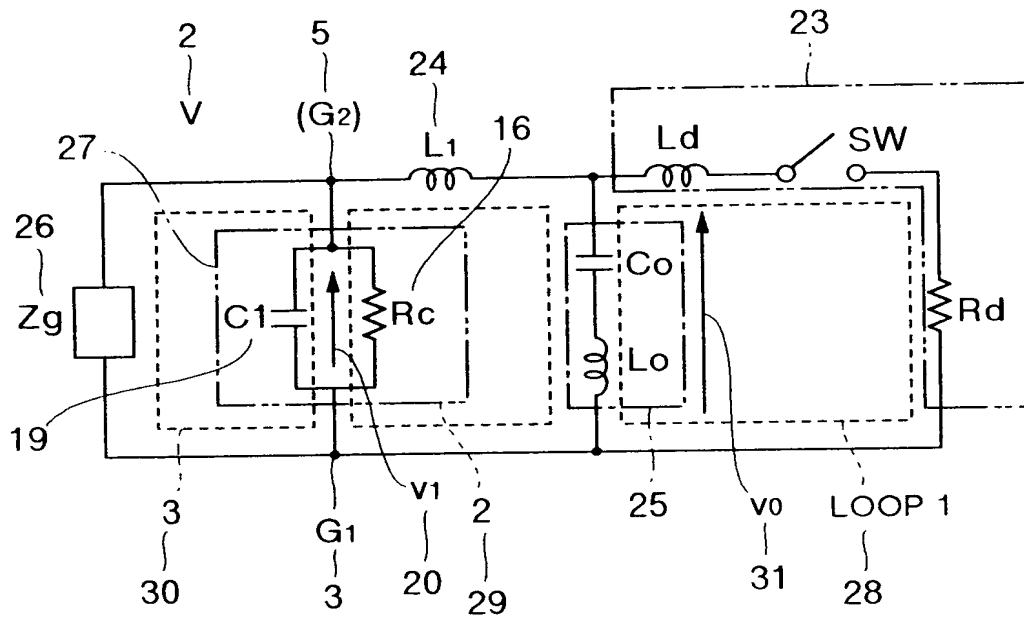
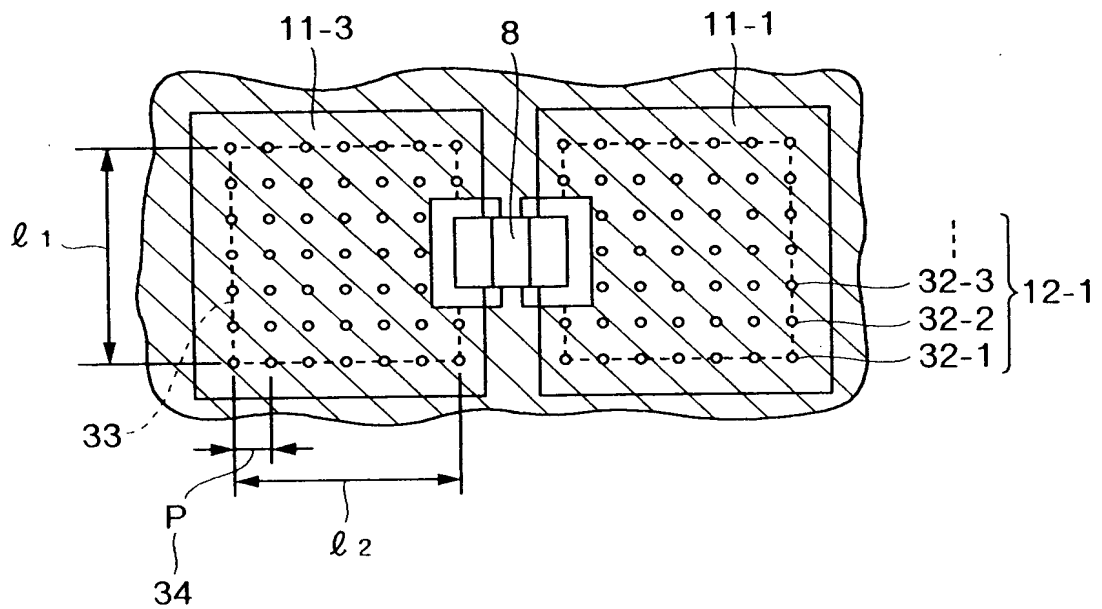


FIG.6



[illegible]

This cross-sectional view shows a multi-layered assembly. On the left, a block labeled 50-1 is shown with internal layers S1, G1, V, G2, and S2. A central core consists of alternating layers 46 and 48, with vertical pillars 49 connecting them. On the right, another block labeled 50-2 is shown. The top surface features a series of components 52-1 and 52-2, which are connected to a common line 47. A bottom contact layer 48 is also visible, with small features 49 at the base of the pillars.

FIG.9

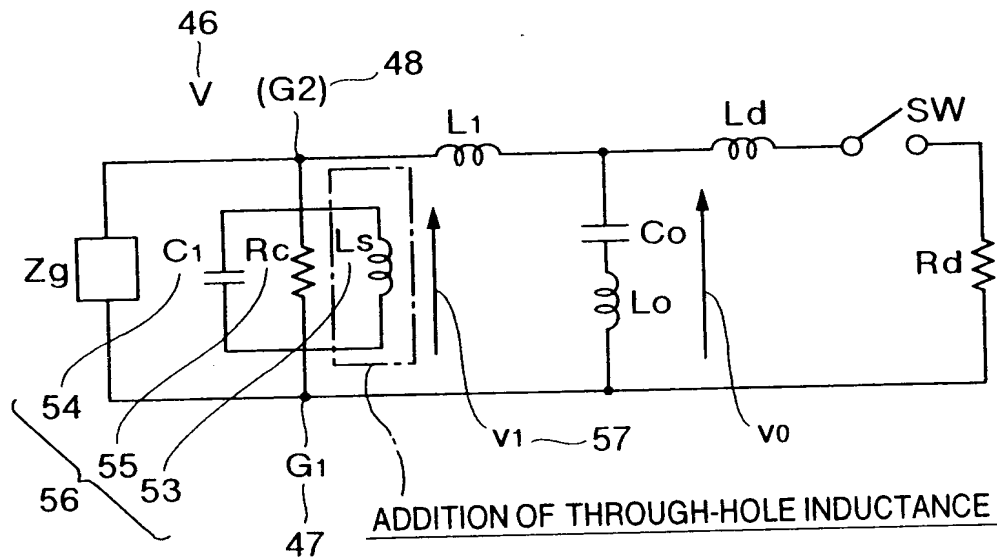


FIG.10

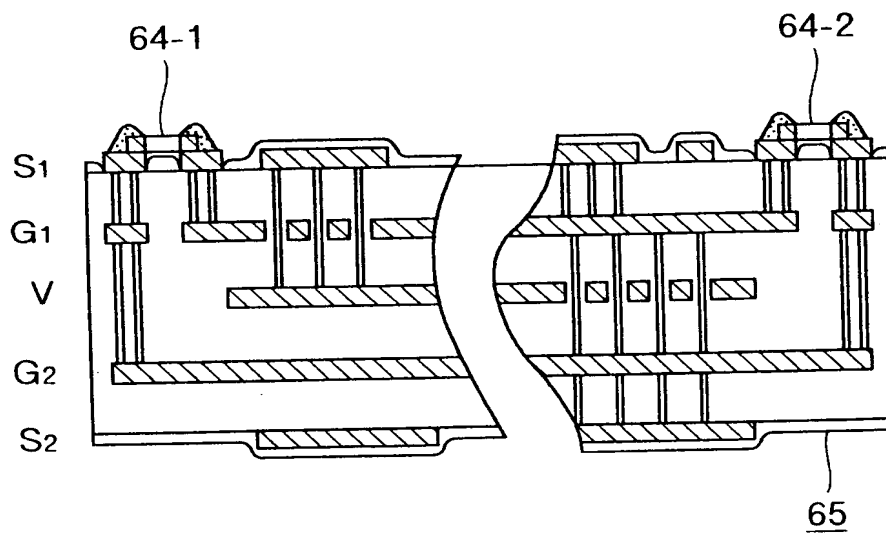


FIG. 11

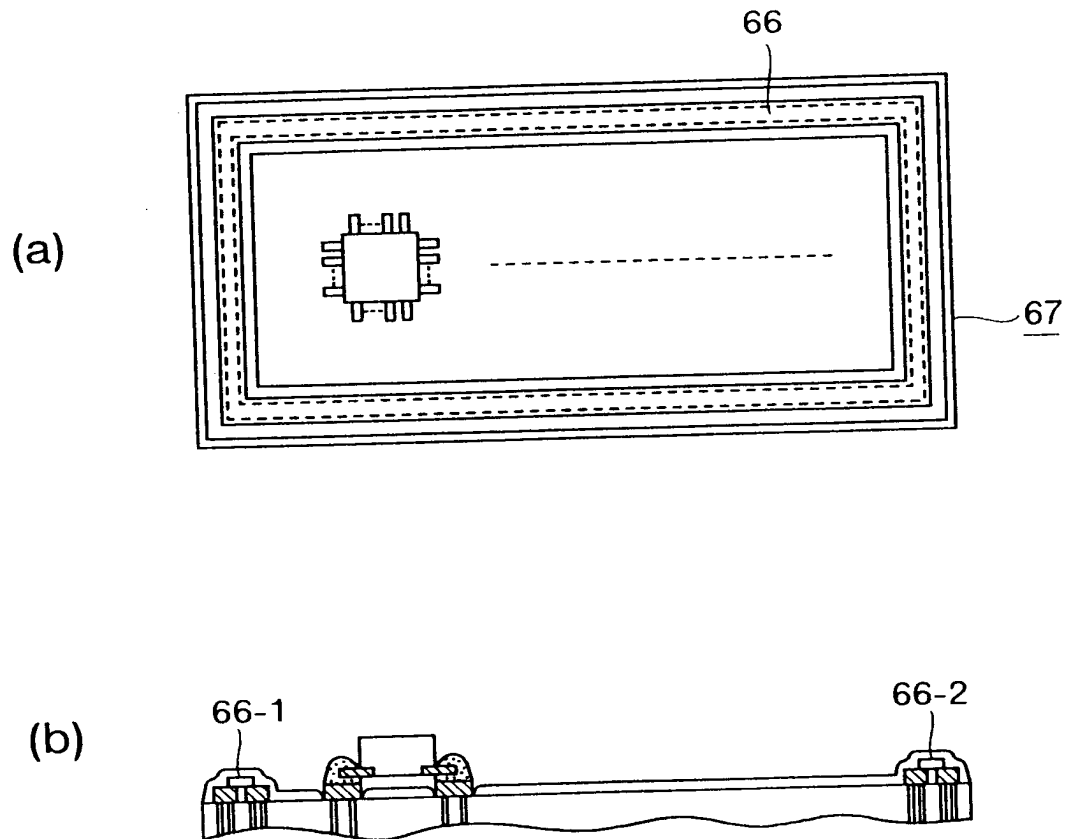


FIG.12

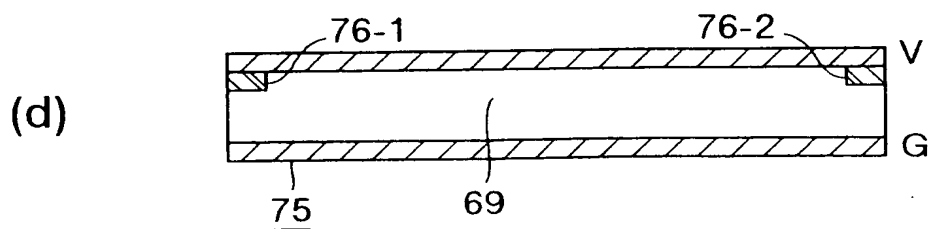
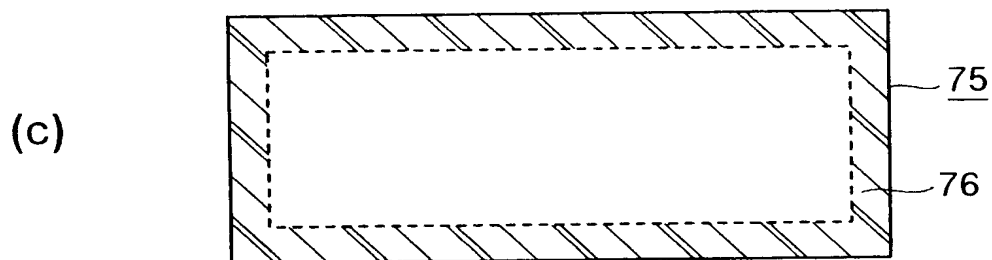
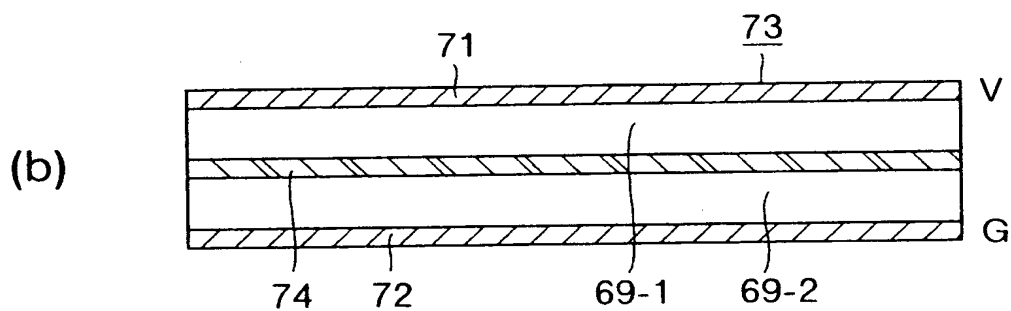
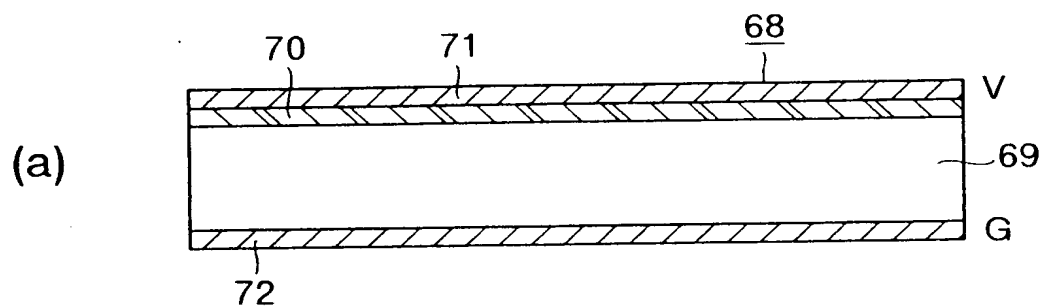


FIG.13

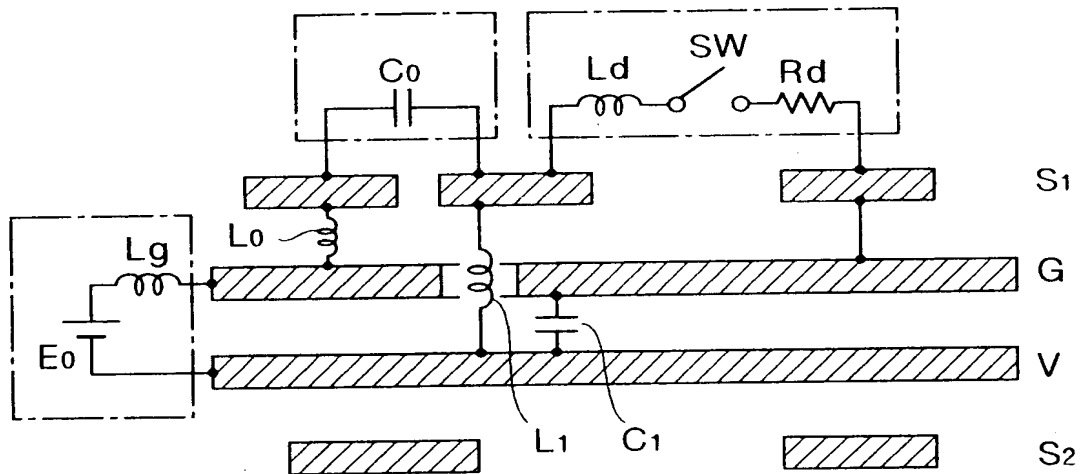


FIG.14

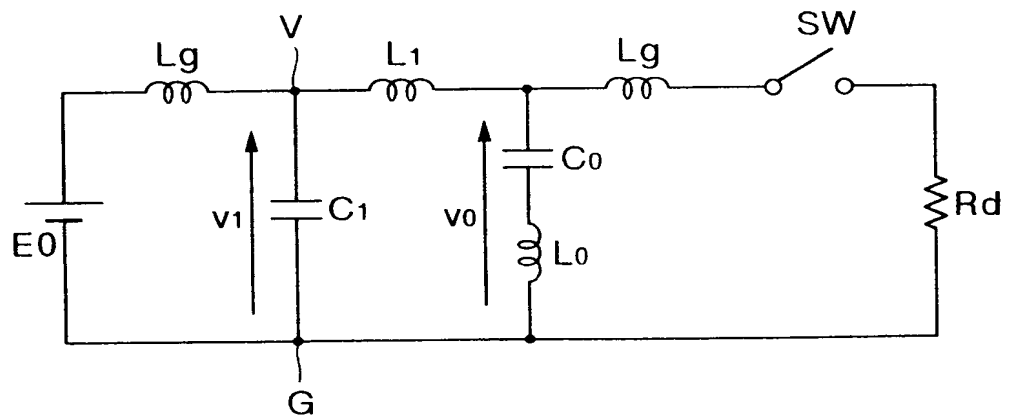


FIG.15

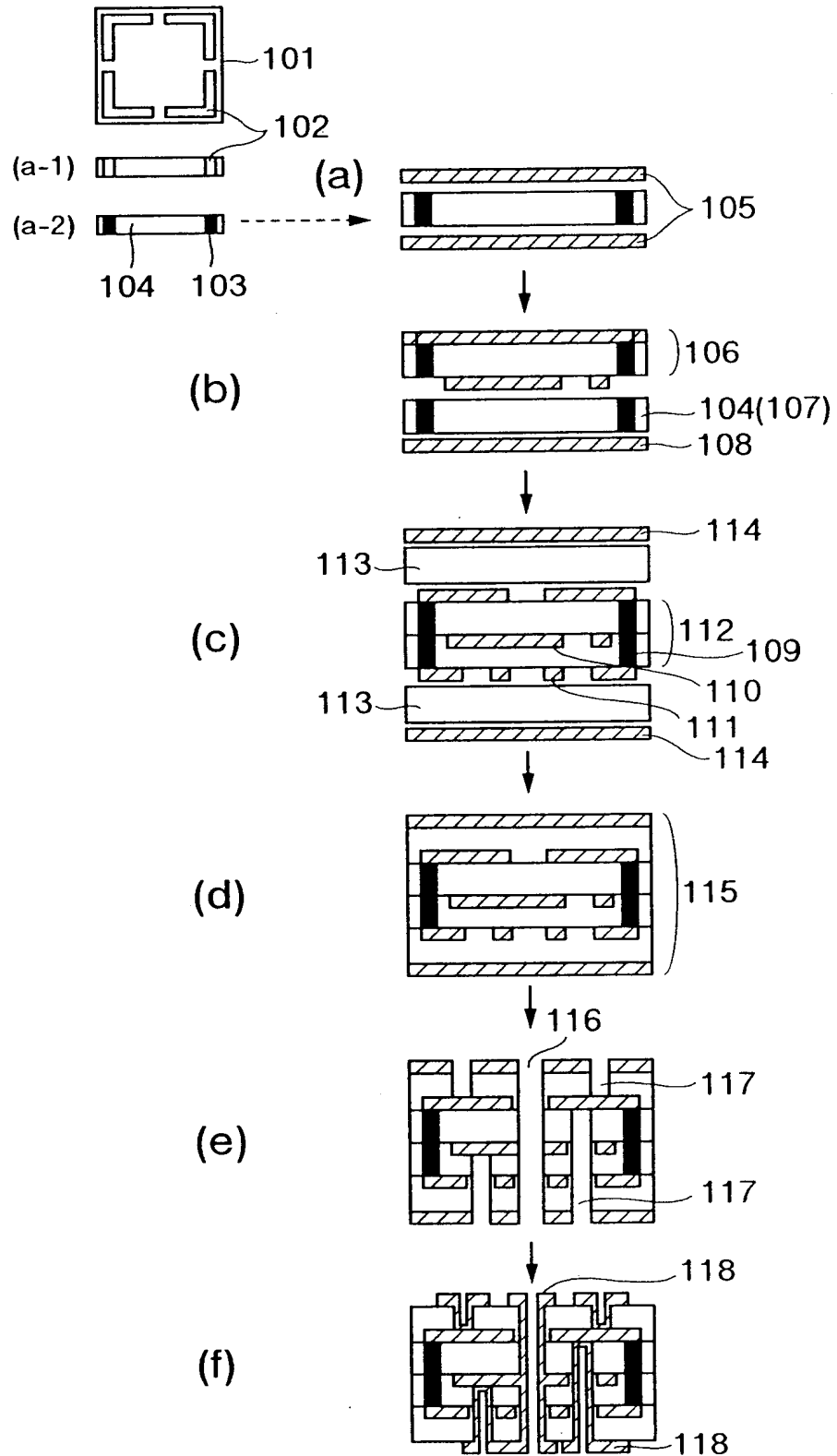
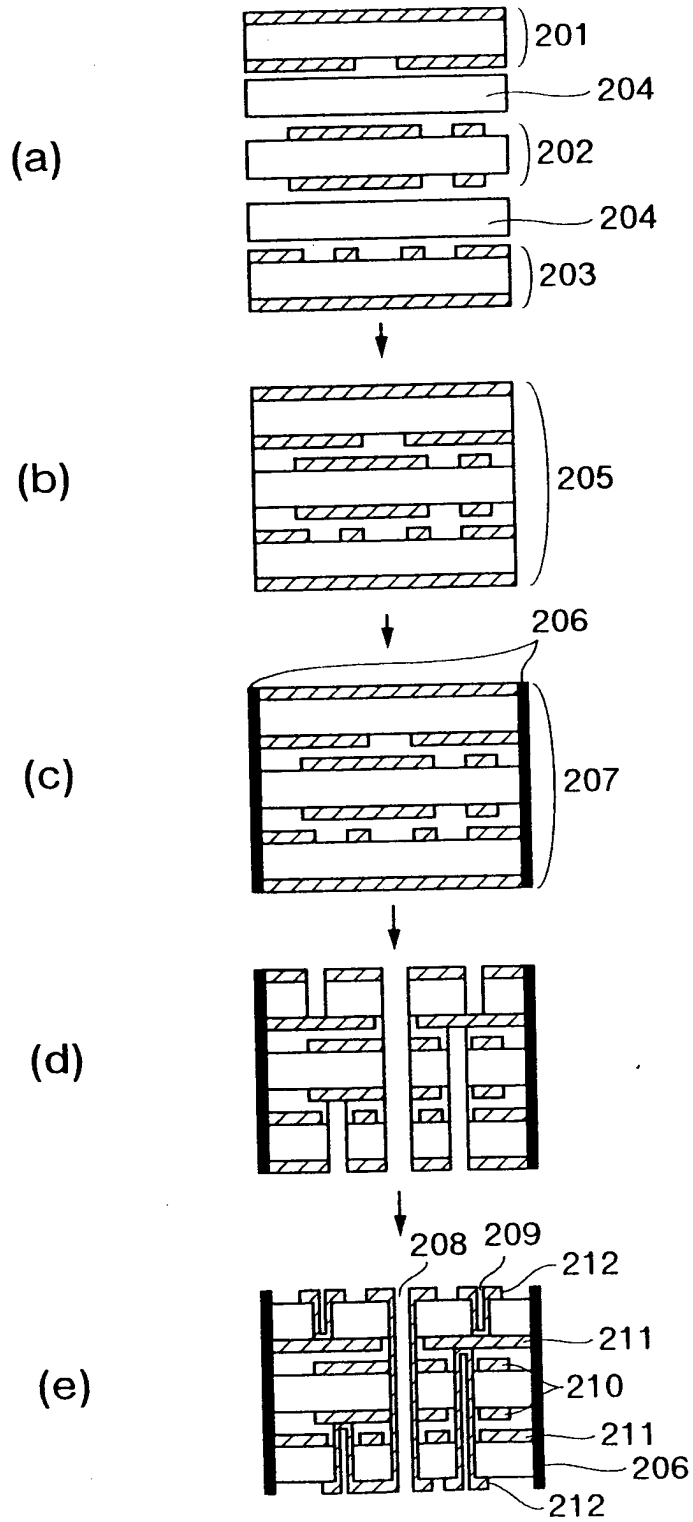
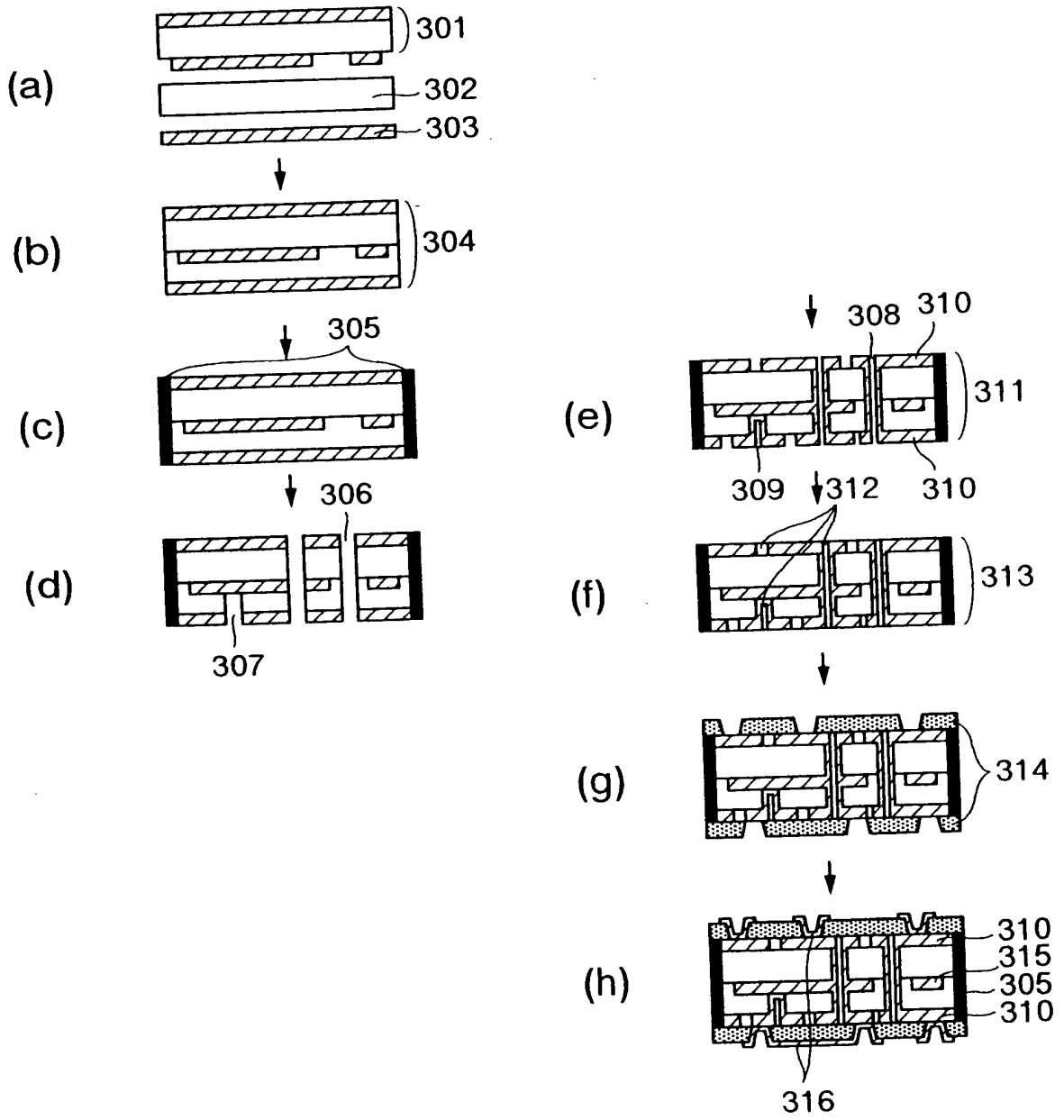


FIG.16



0095609 092101 101260 60695660

FIG.17



TOP SECRET 50695660

FIG.18

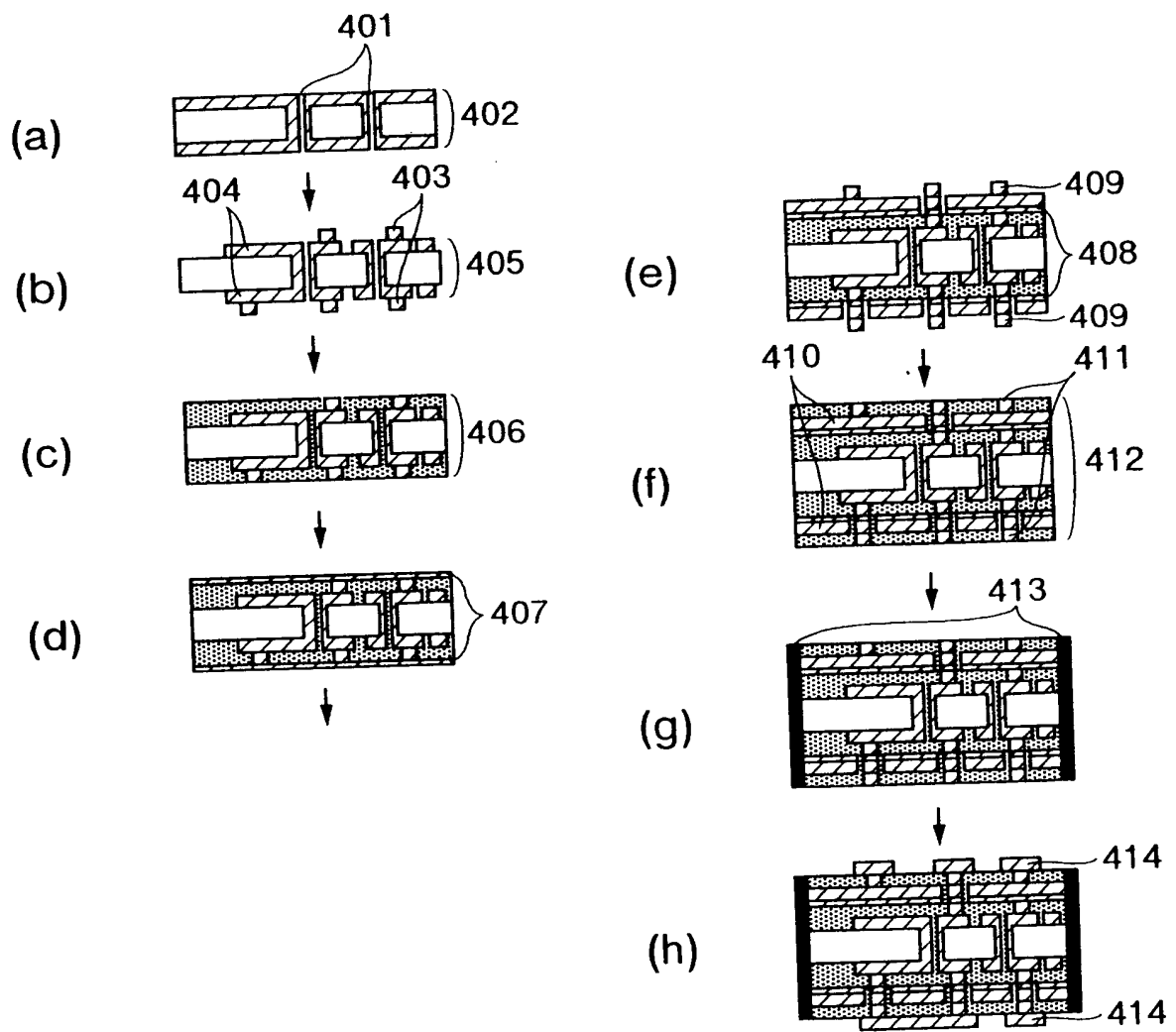


FIG.19

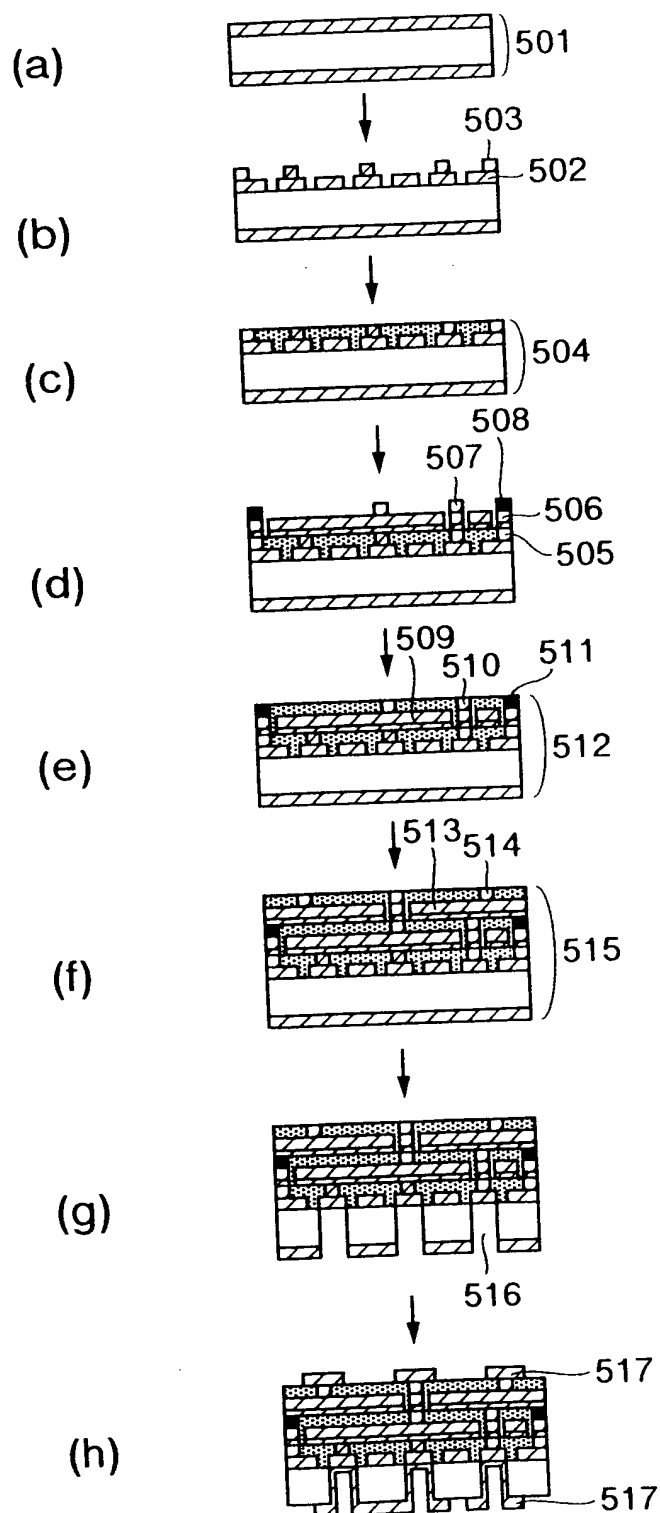
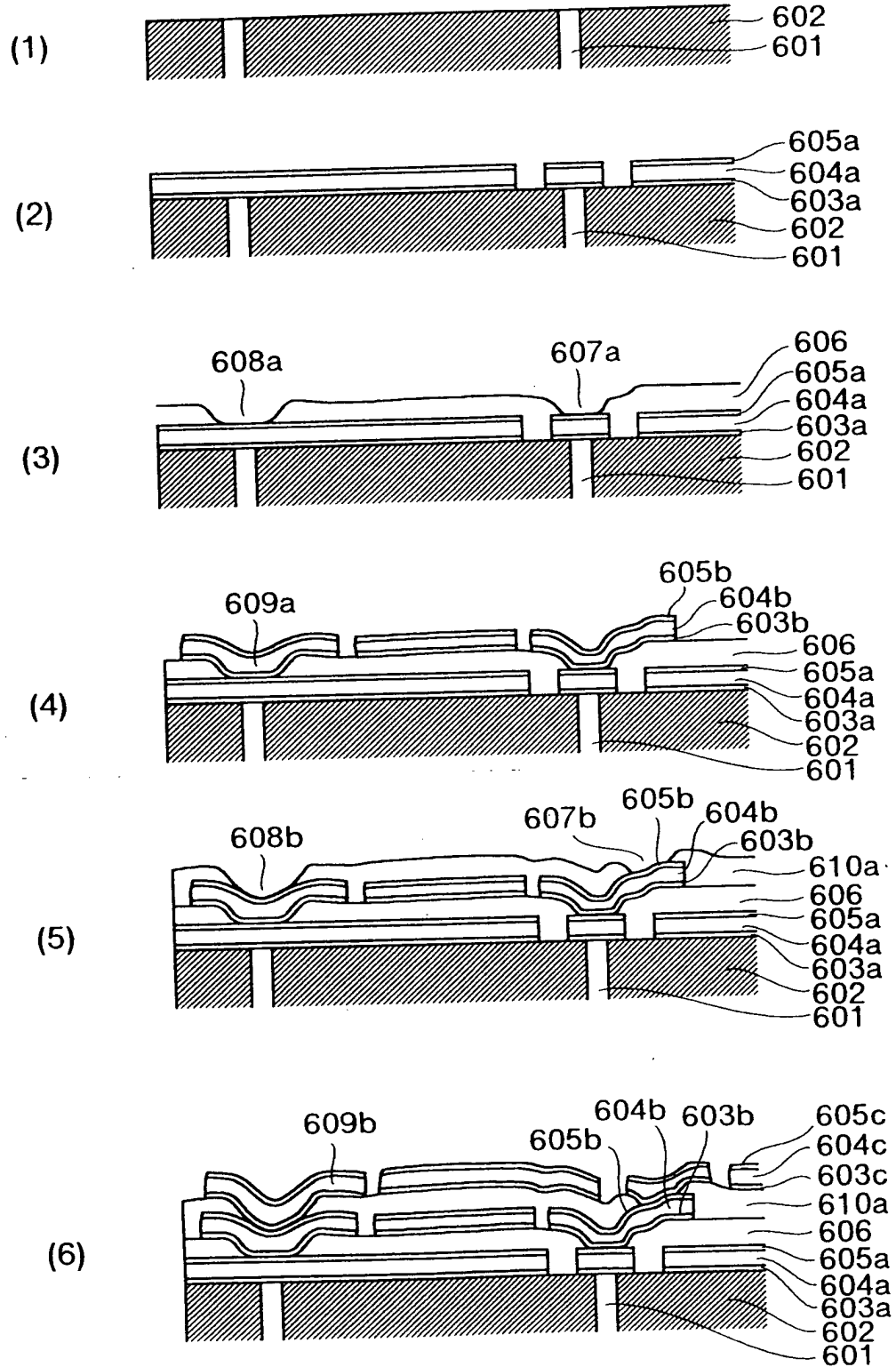


FIG.20



101260 60695660

FIG.20

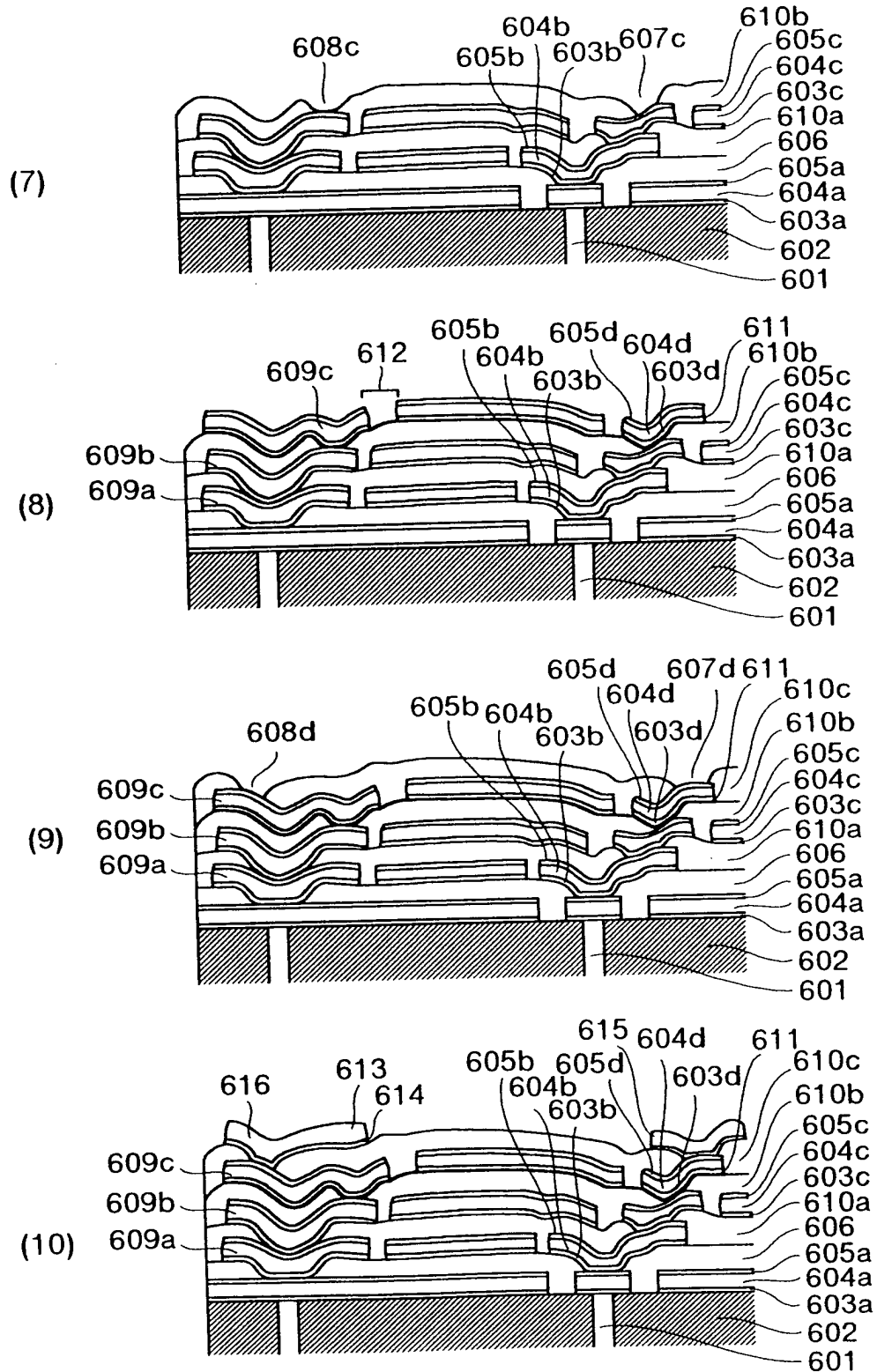


FIG.20

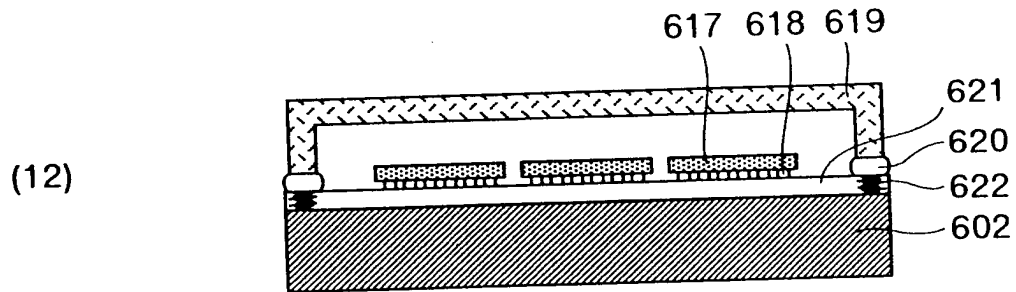
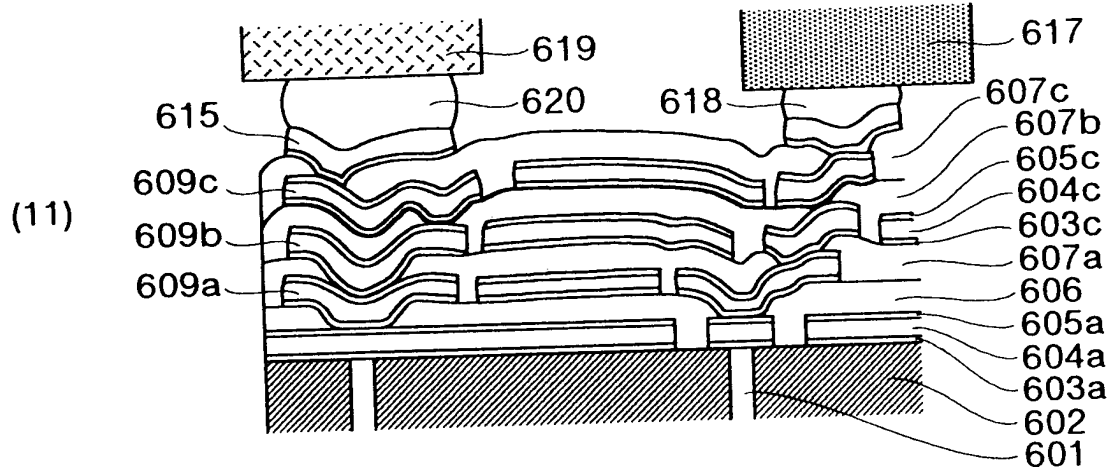


FIG.21

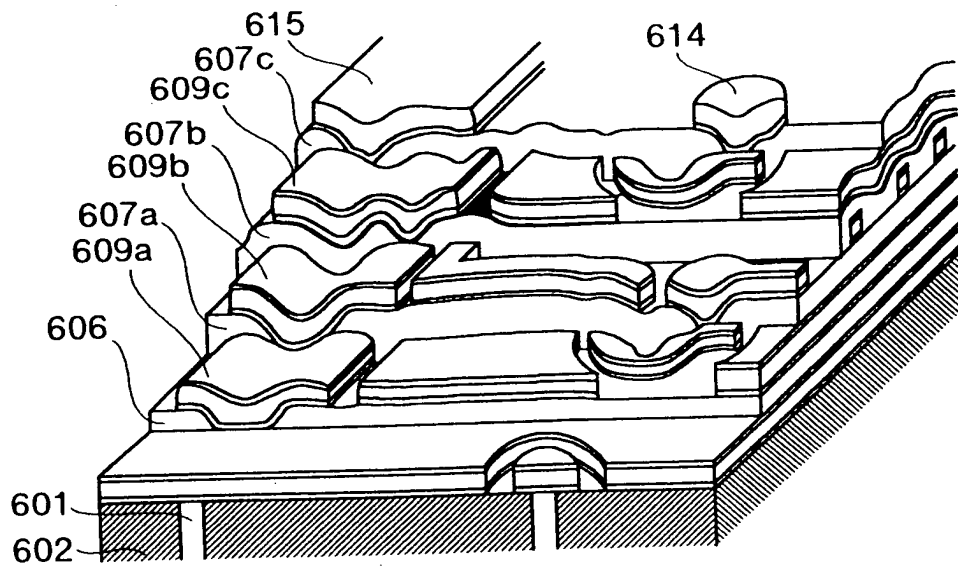


FIG.22

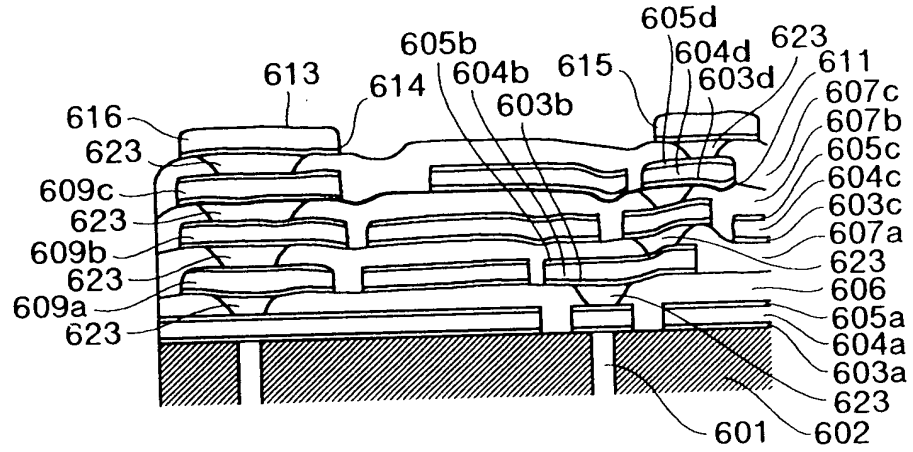


FIG.23

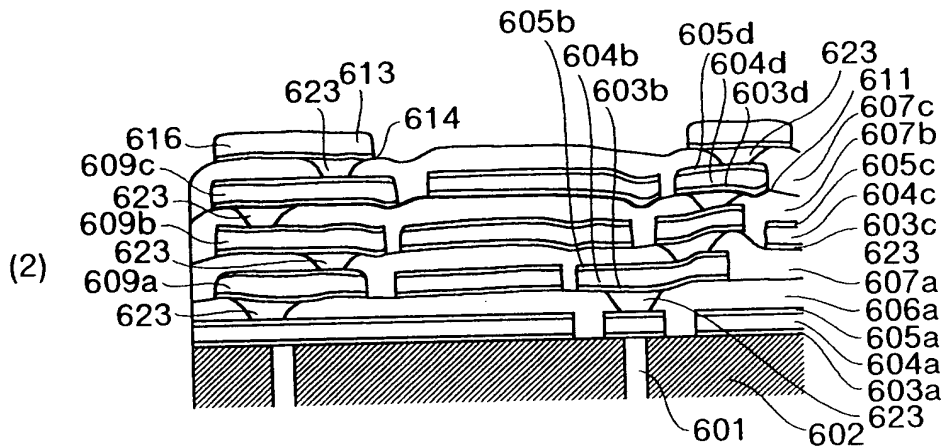
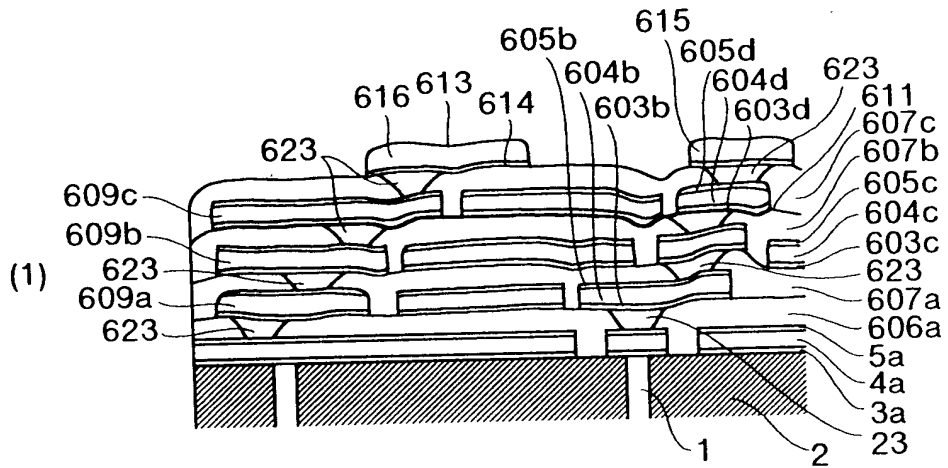


FIG. 22

FIG.24

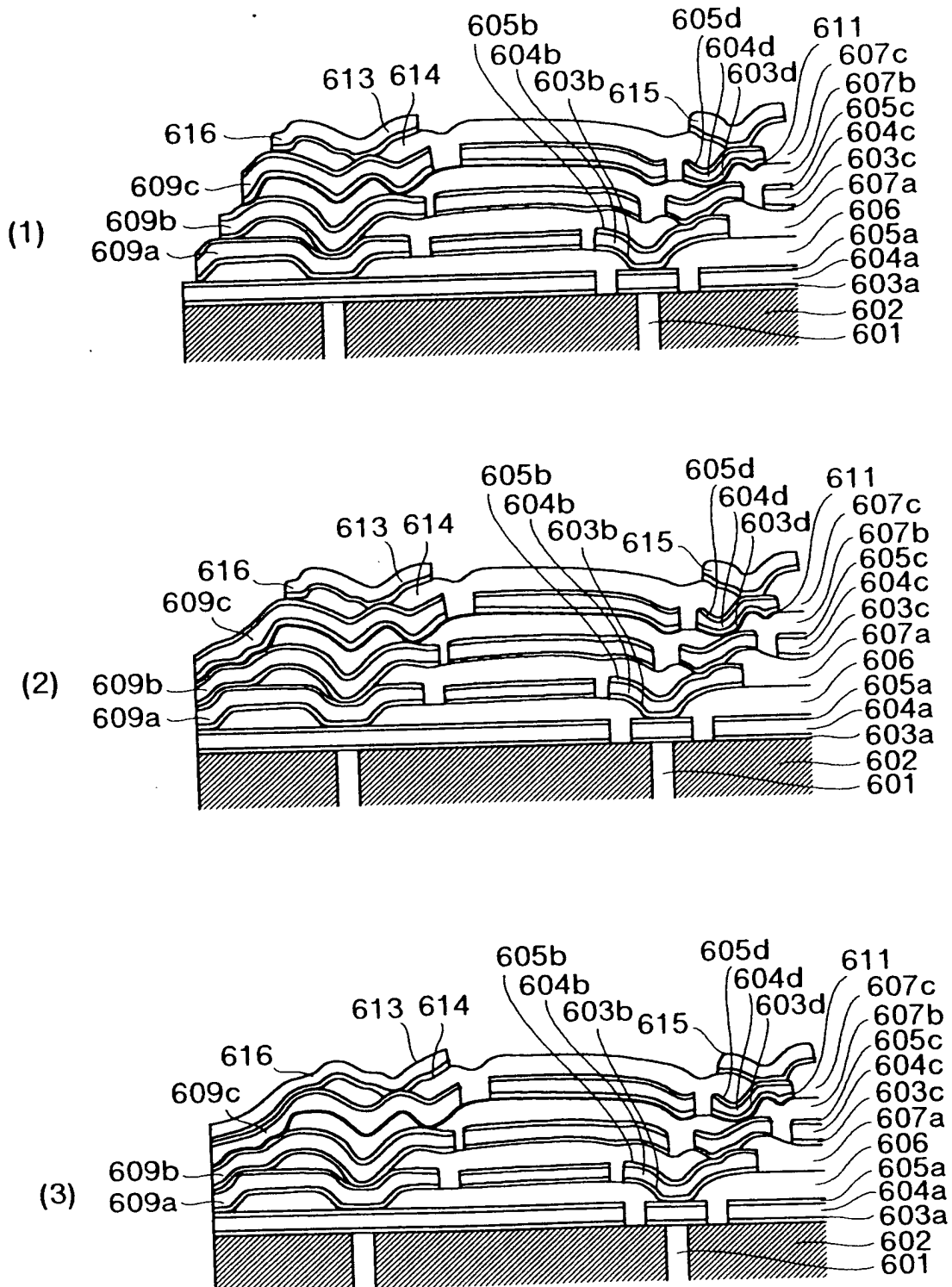


FIG.25

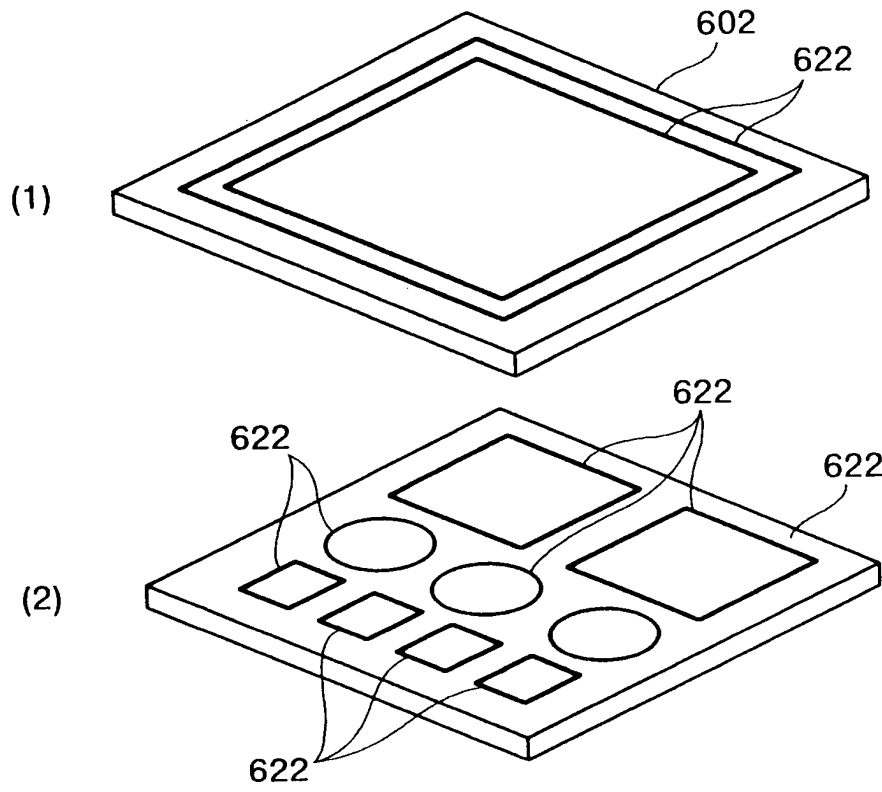


FIG.26

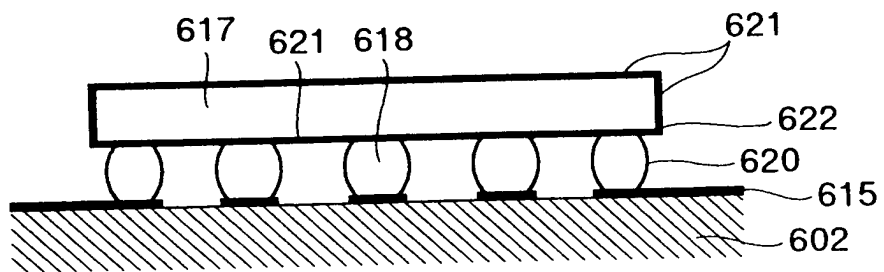


FIG.27

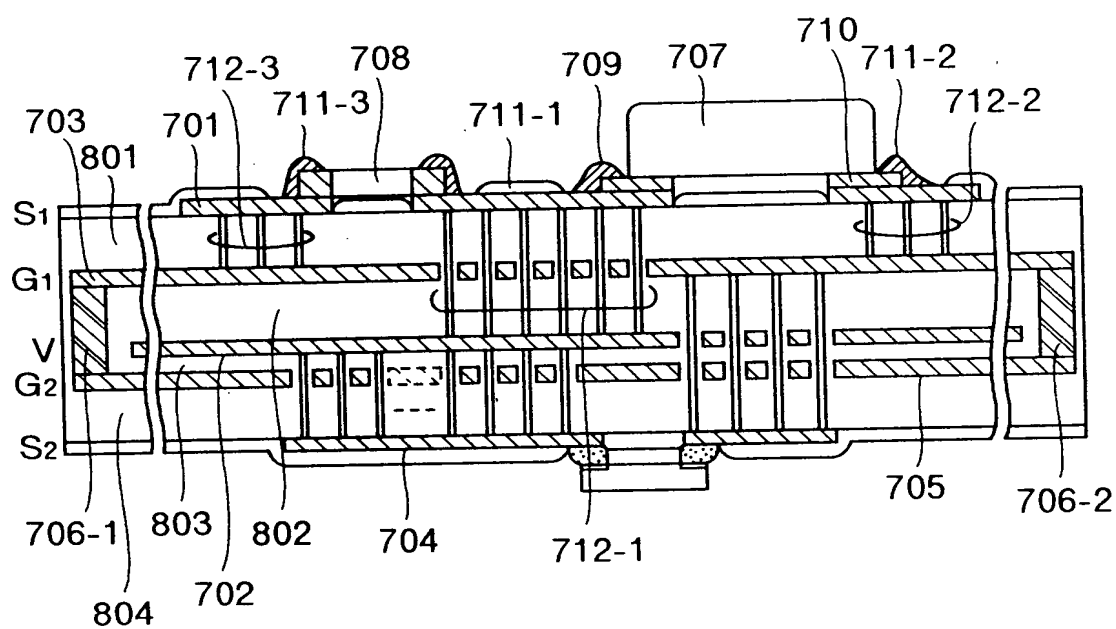


FIG.28

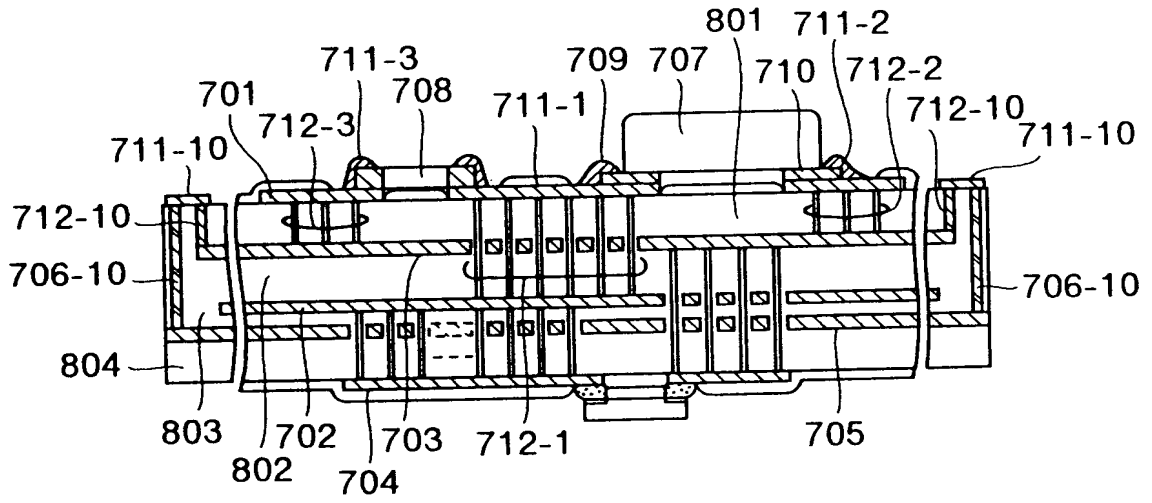


FIG.29

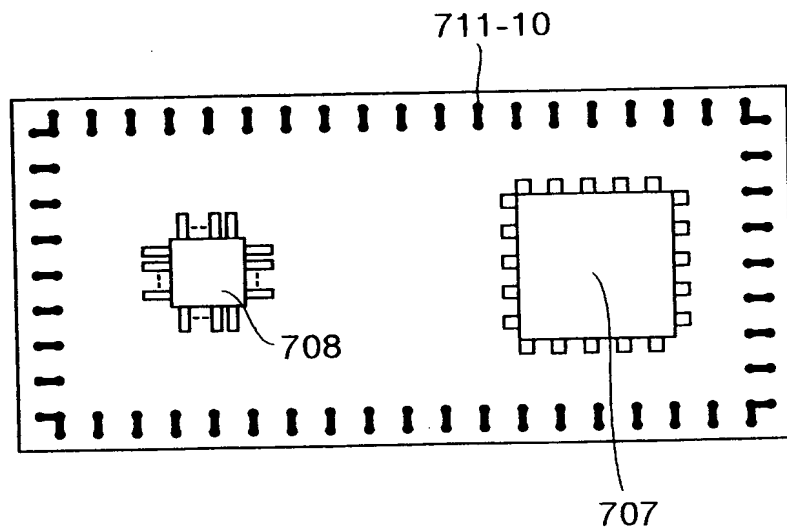


FIG.30

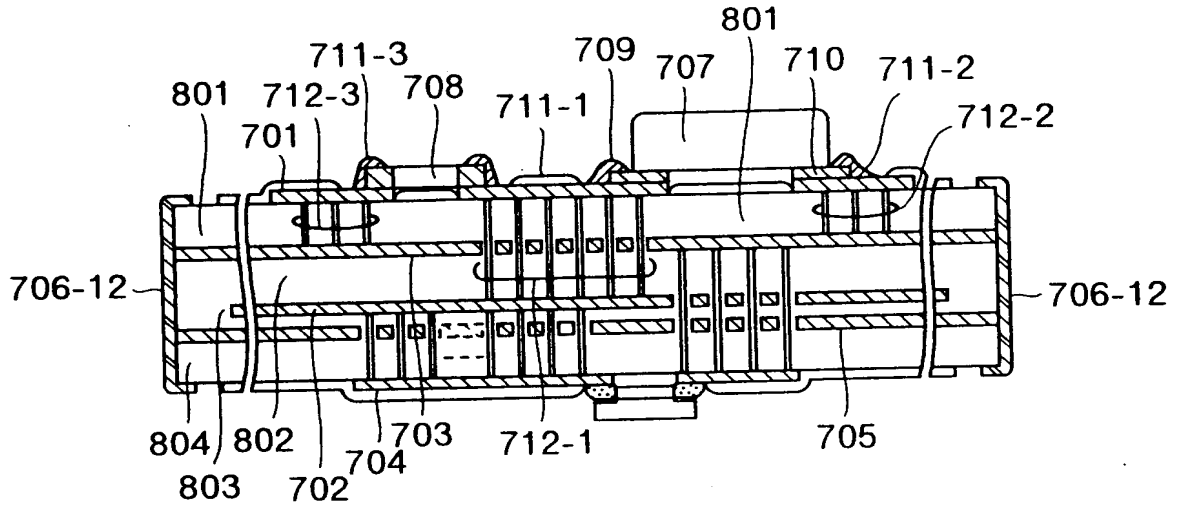


FIG.31

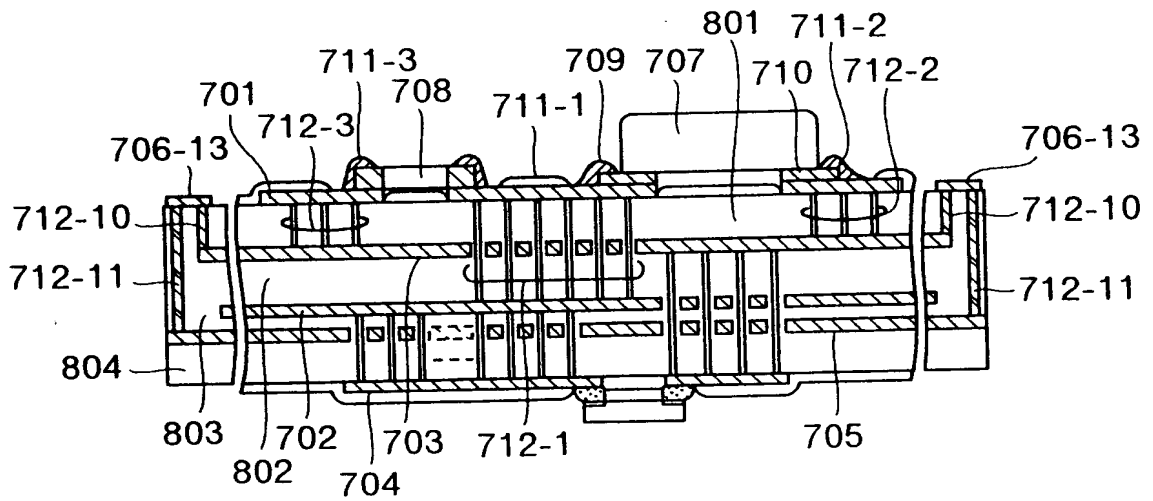


FIG.32

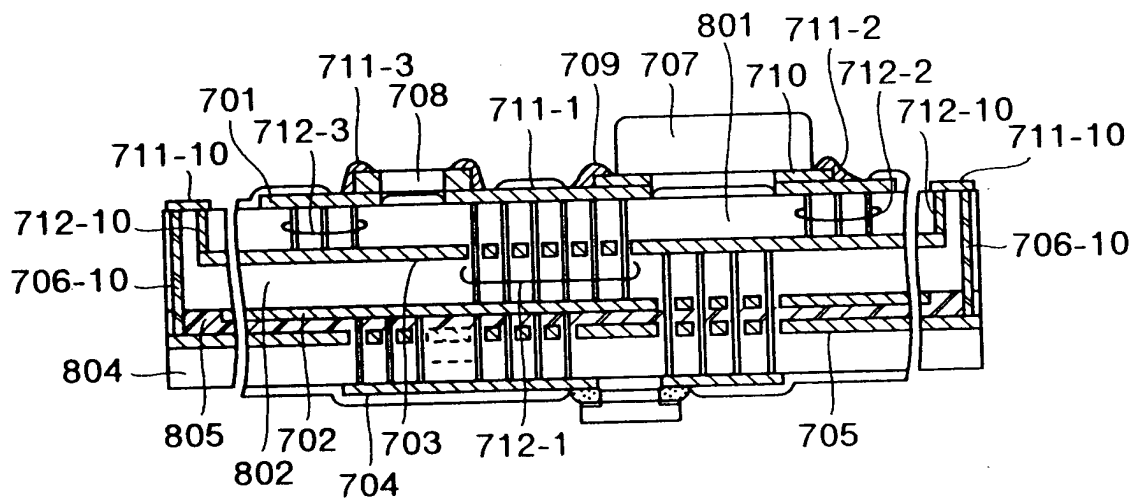


FIG.33

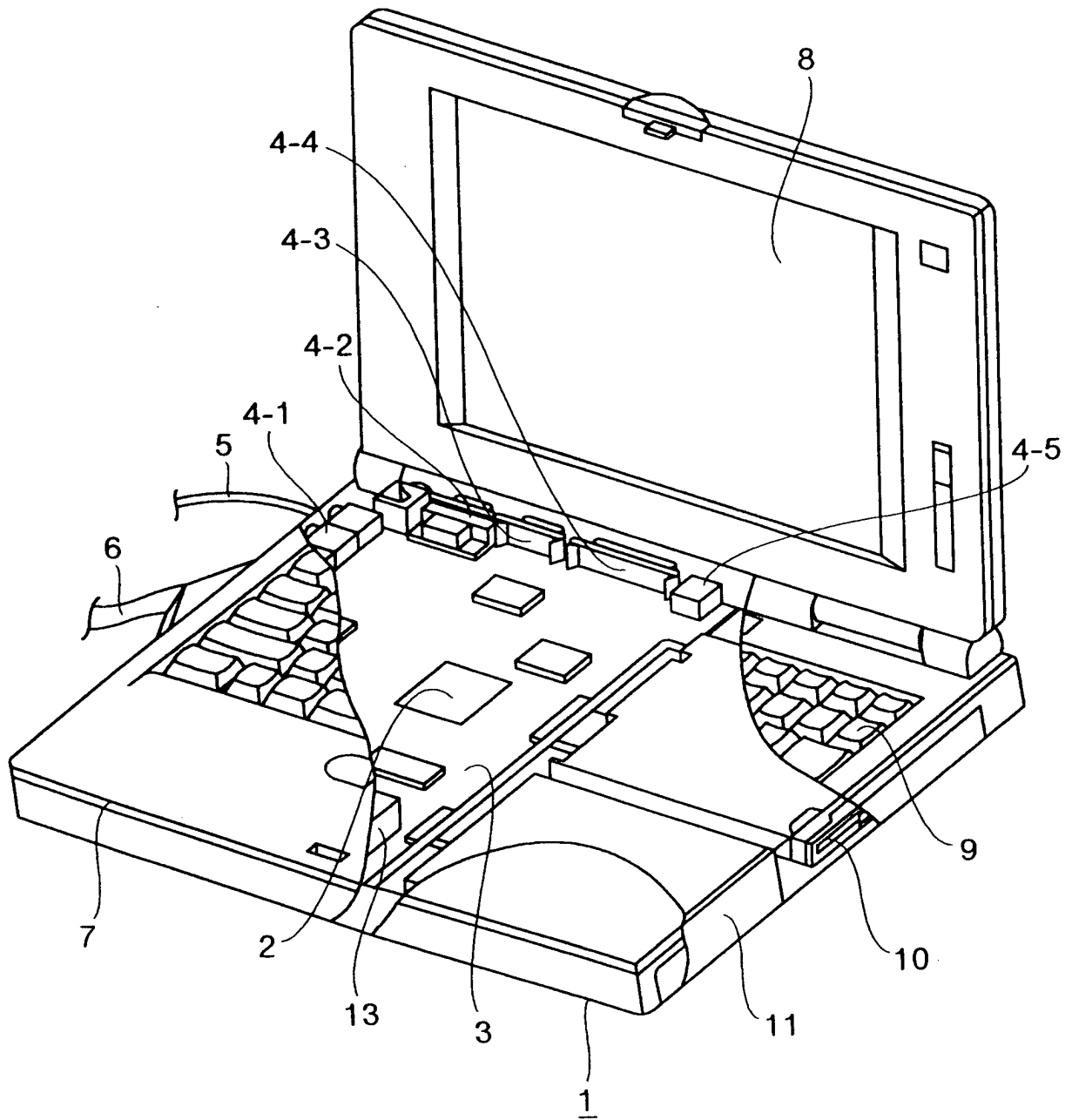


FIG. 33

FIG.34

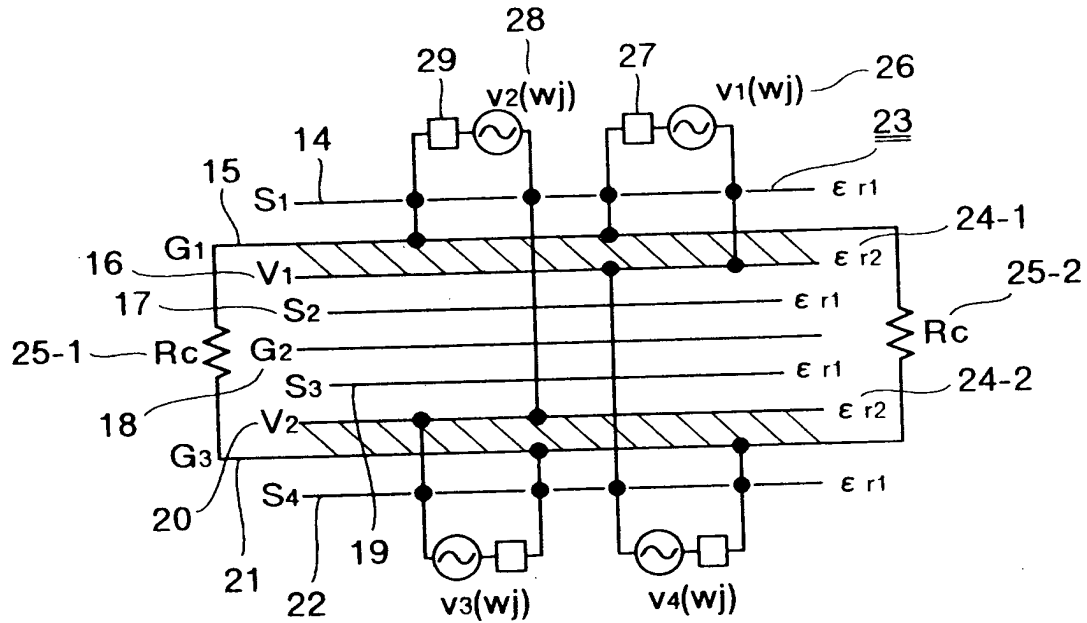


FIG.35

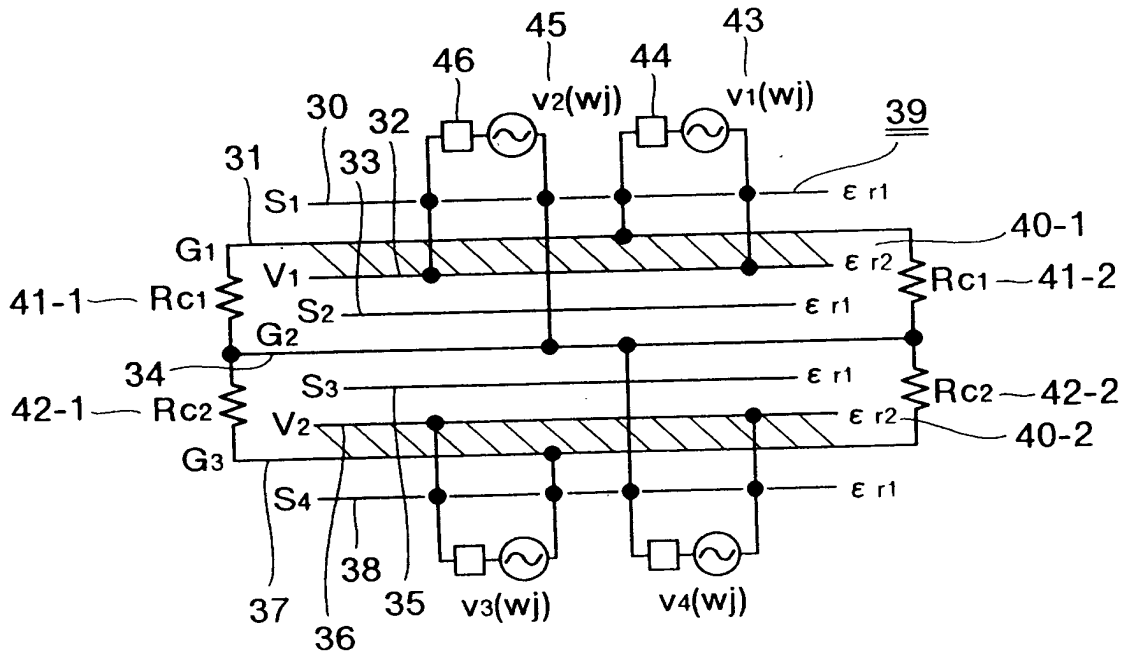


FIG.36

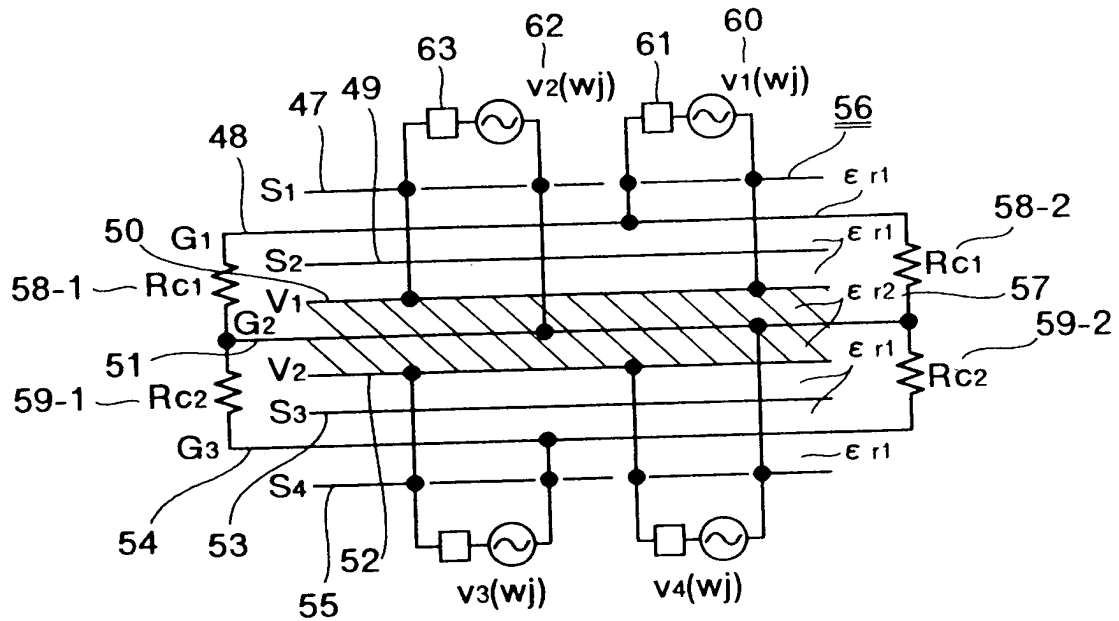


FIG.37

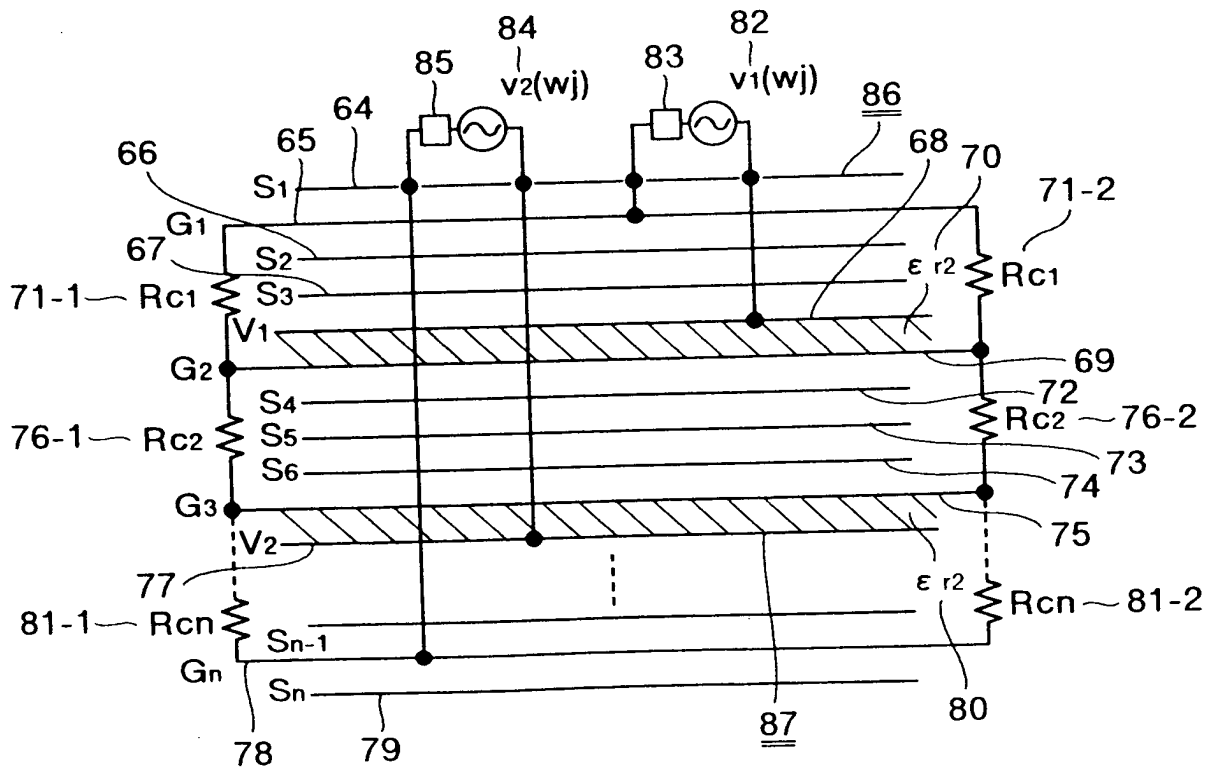
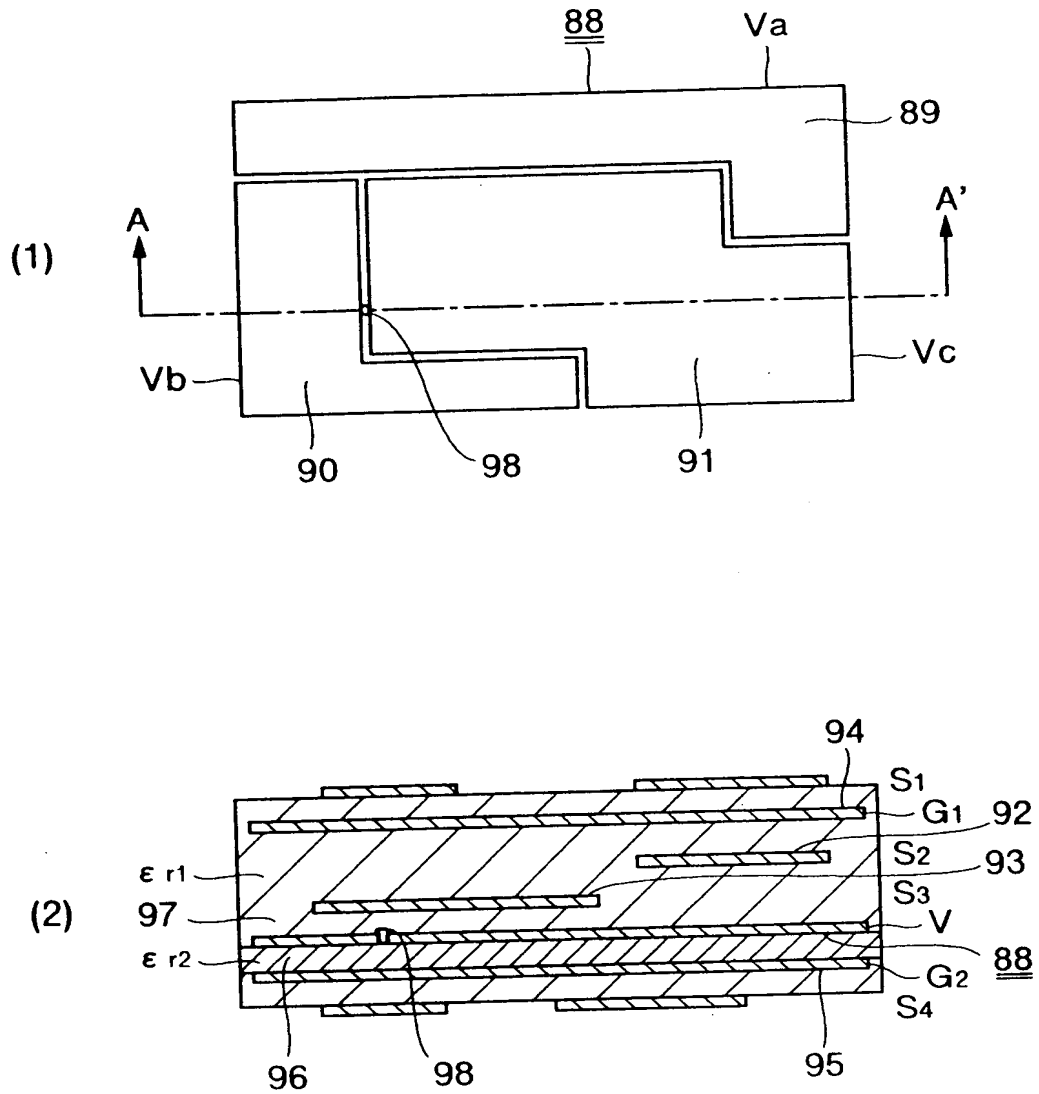
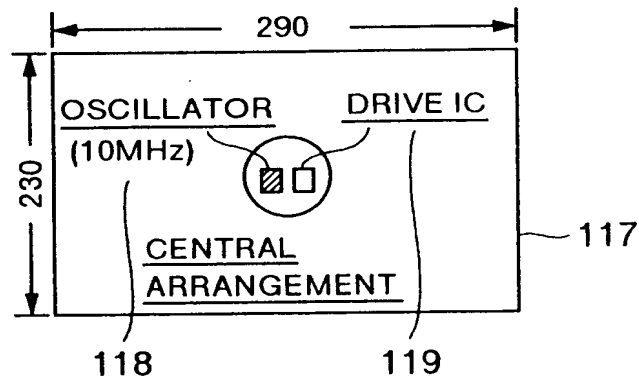


FIG.38



The diagram illustrates a multi-layer PCB layout. It features a central horizontal strip (108) with a U-shaped cutout (109) in its upper portion. This strip is connected to a vertical strip (110) on the left and another vertical strip (111) on the right. A horizontal strip (107) is located below the central strip. The layout is enclosed within a rectangular frame (106). Various components are indicated by symbols: small squares (116-1, 116-2, 116-3, 116-4, 116-5) and small circles (112, 114). Arrows indicate the flow of signals or power between different sections of the circuit.

FIG.41



NEW CIRCUIT BOARD
(5-LAYER CIRCUIT BOARD)

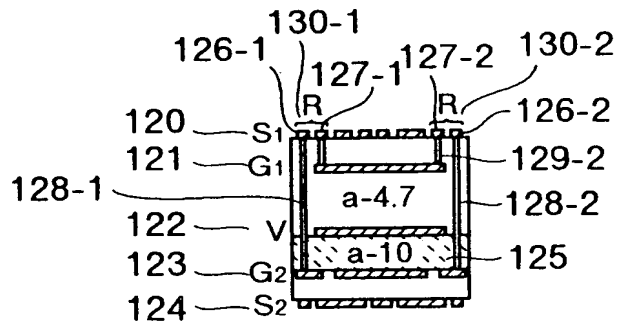
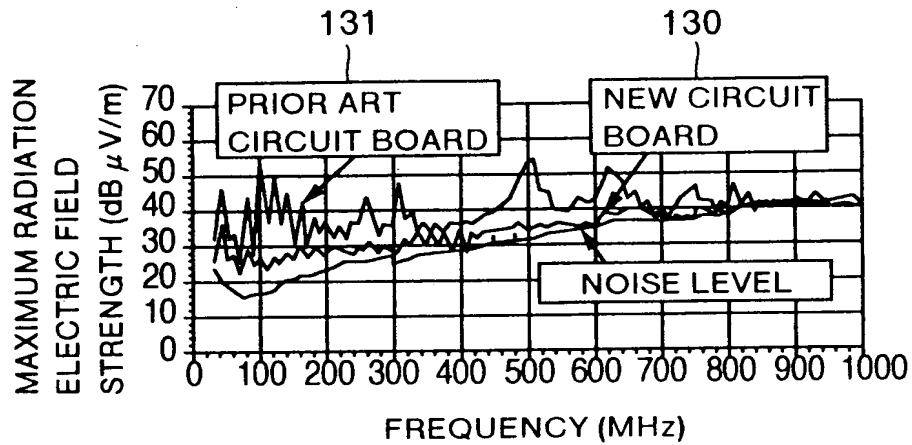
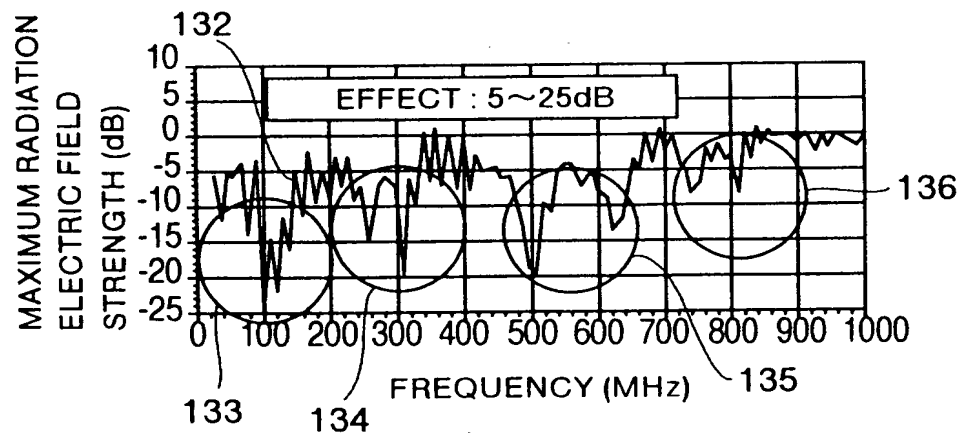


FIG.42



RADIATION CHARACTERISTIC OF PRIOR ART
CIRCUIT BOARD AND NEW CIRCUIT BOARD

FIG.43



SUPPRESSION EFFECT OF NEW CIRCUIT BOARD
(REFERENCE: PRIOR ART CIRCUIT BOARD)